



# COMPANY PRESENTATION



# Facing Ambitious Architecture

*Our vision is to be recognized as the most reliable partner in realizing complex envelope solutions*



## SUMMARY

- Company profile
- Cimolai Architectural Capabilities
- Portfolio





## COMPANY PROFILE

- Cimolai Group
- Cimolai Architectural





COMPANY PROFILE

**CIMOLAI**  
*Steel Structures*

Year established 1949

Global turnover 2021 \$ 420,700,000

Main activity Design and fabrication of structural steel

Employees 3,000 globally

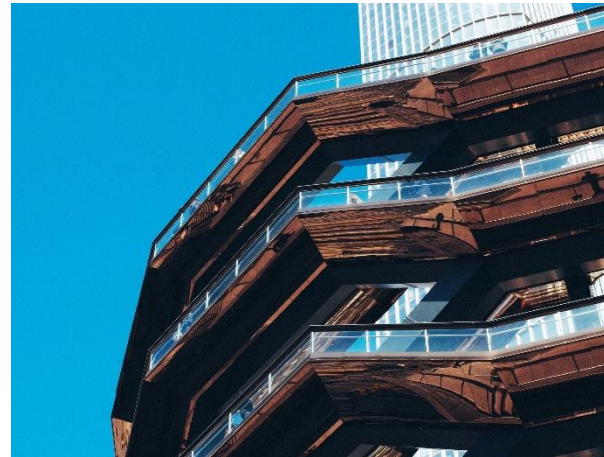
Main markets Europe,  
North and South  
America  
Africa  
Middle East





COMPANY PROFILE  
**CIMOLAI**  
*Steel structures*

Buildings



**THE VESSEL**  
New York, USA



**OCULUS**  
New York, USA



**MEDIOPADANA RAILWAY  
STATION**  
Reggio Emilia, Italy

Bridges



**HANS WILSDORF BRIDGE**  
Geneva, Switzerland



**BRIDGE OF PEACE**  
Tbilisi, Georgia



**TEGEVAL BRIDGE**  
Creteil, France

Arenas and more...



**OLYMPIC STADIUM**  
Athens, Greece





**NATIONAL STADIUM**  
Warsaw, Poland

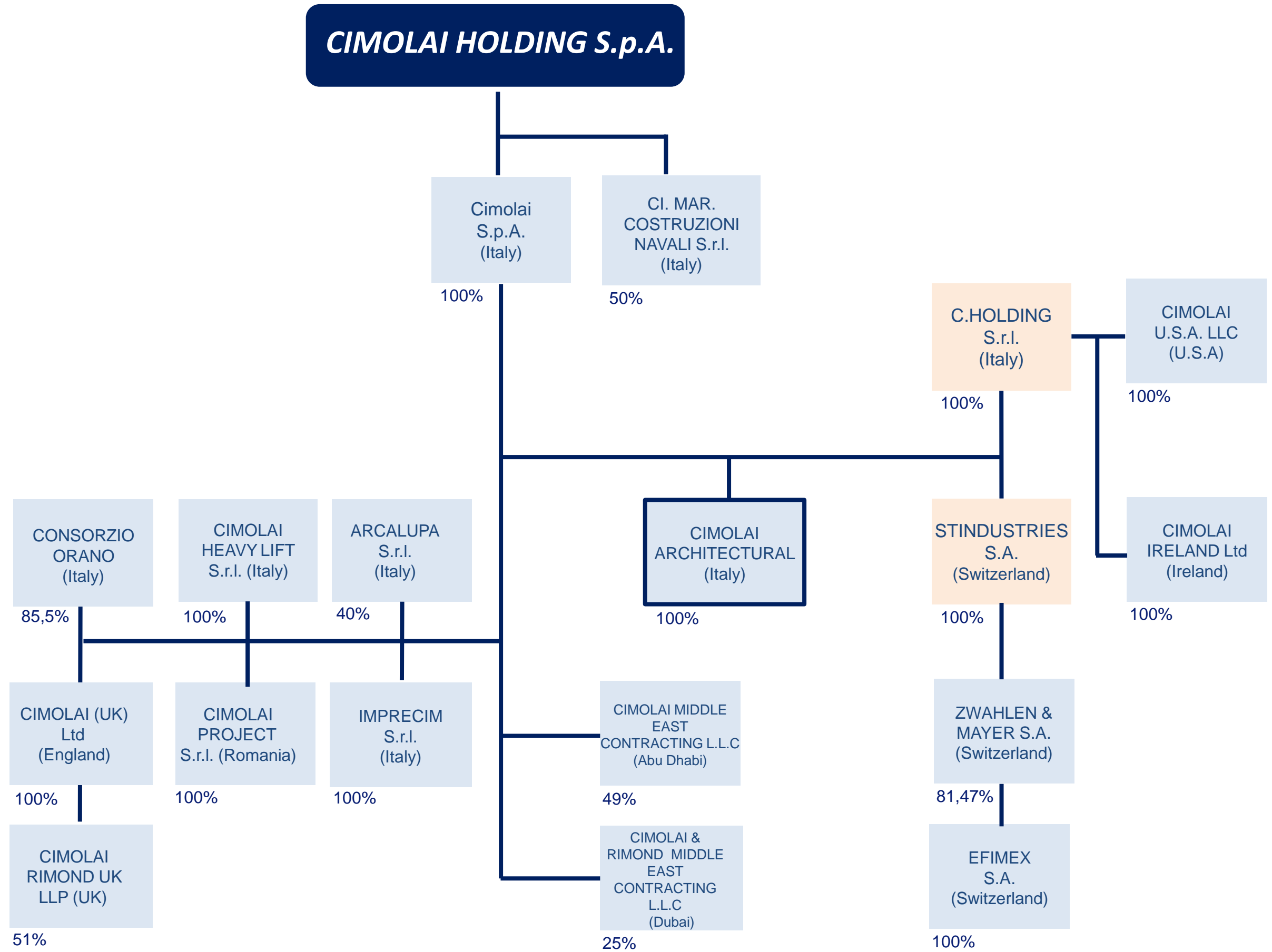


**FNB STADIUM**  
Johannesburg, South Africa



COMPANY PROFILE  
**CIMOLAI**  
*Organigram*

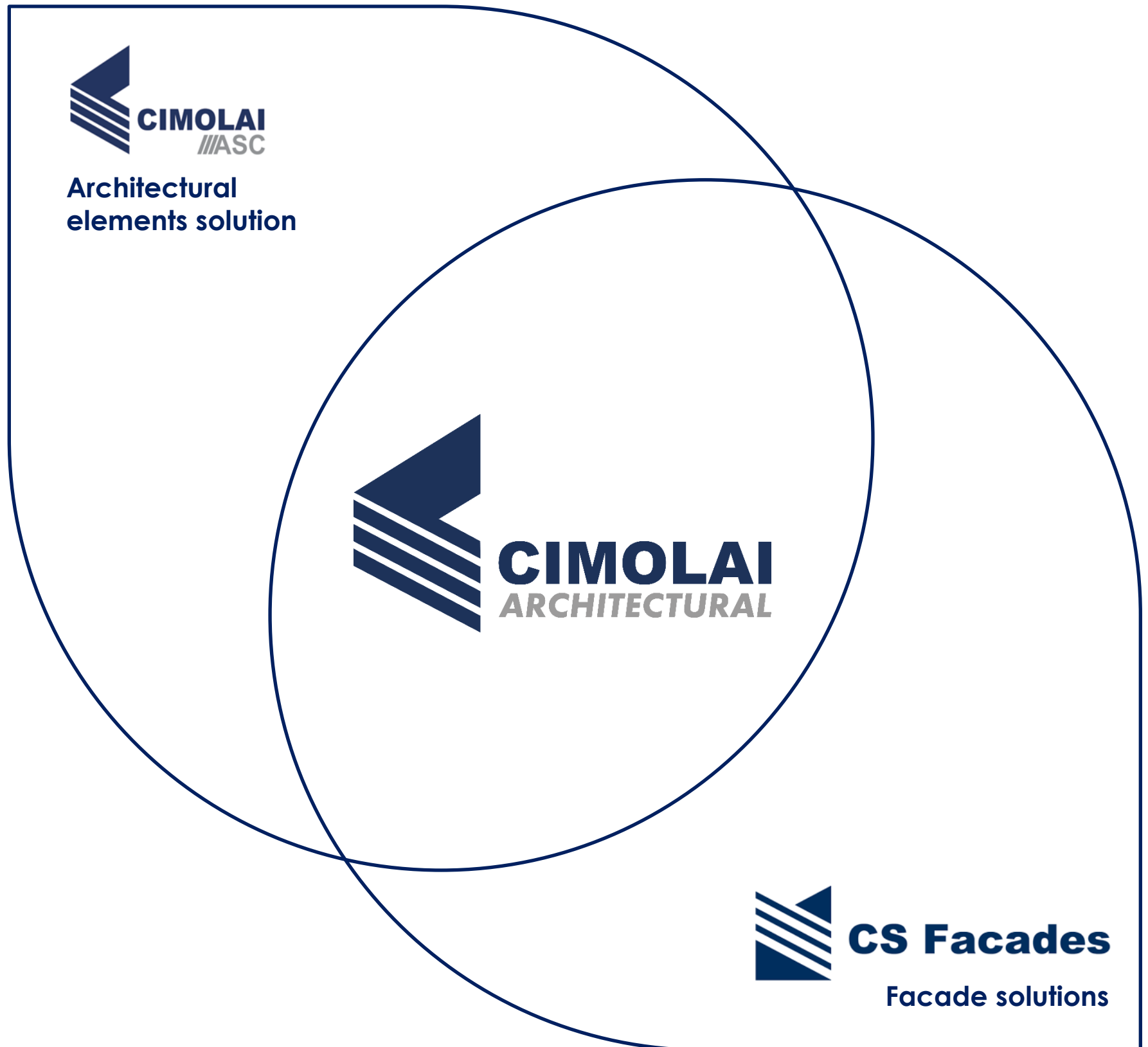
 Holding company  
 Industrial company





COMPANY PROFILE  
**CIMOLAI ARCHITECTURAL**  
*Envelope solutions*

Cimolai Architectural is a merged company from Cimolai ASC and CS Facades.



COMPANY PROFILE  
**CIMOLAI ARCHITECTURAL**  
*Envelope solutions*

Year established 2021

Single project value: \$ 4,0M to \$ 40M

Consolidated Turnover (last 3 years): \$15M to \$18M per year

Main activity: Design, fabrication and installation of  
unitized & stick curtain wall  
double skin ventilated facades  
rainscreen  
skylights  
canopies  
main entrances

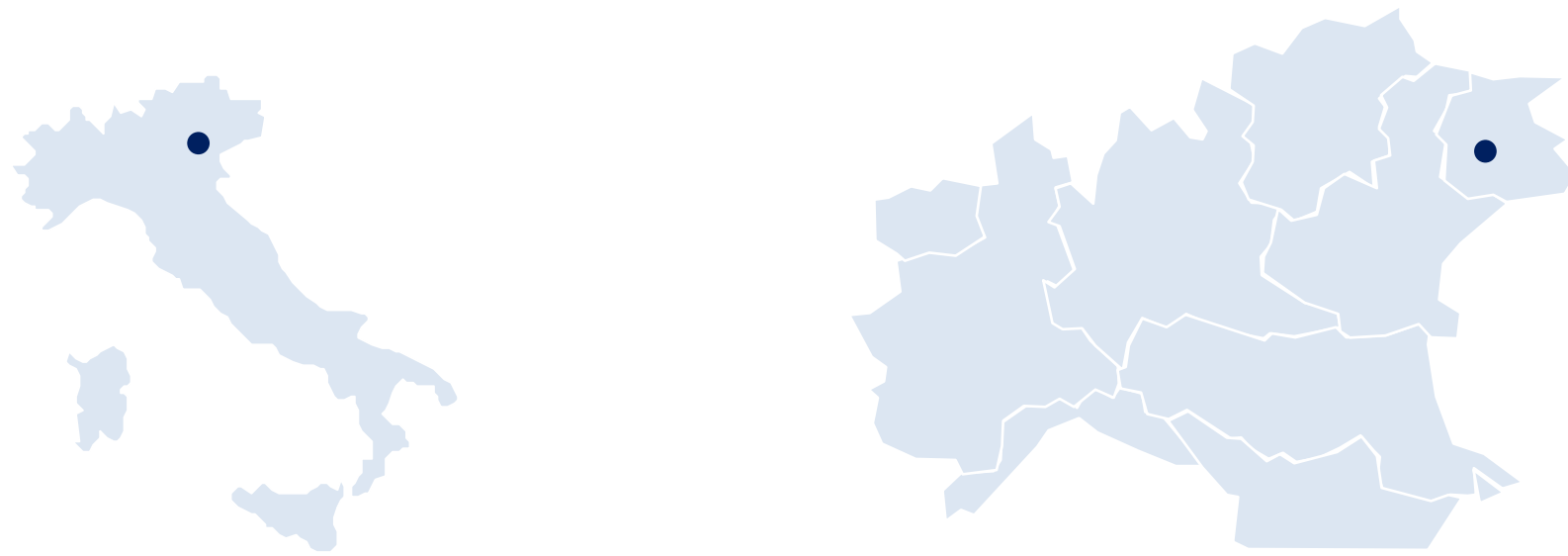
Main markets: Europe  
United Kingdom  
North America



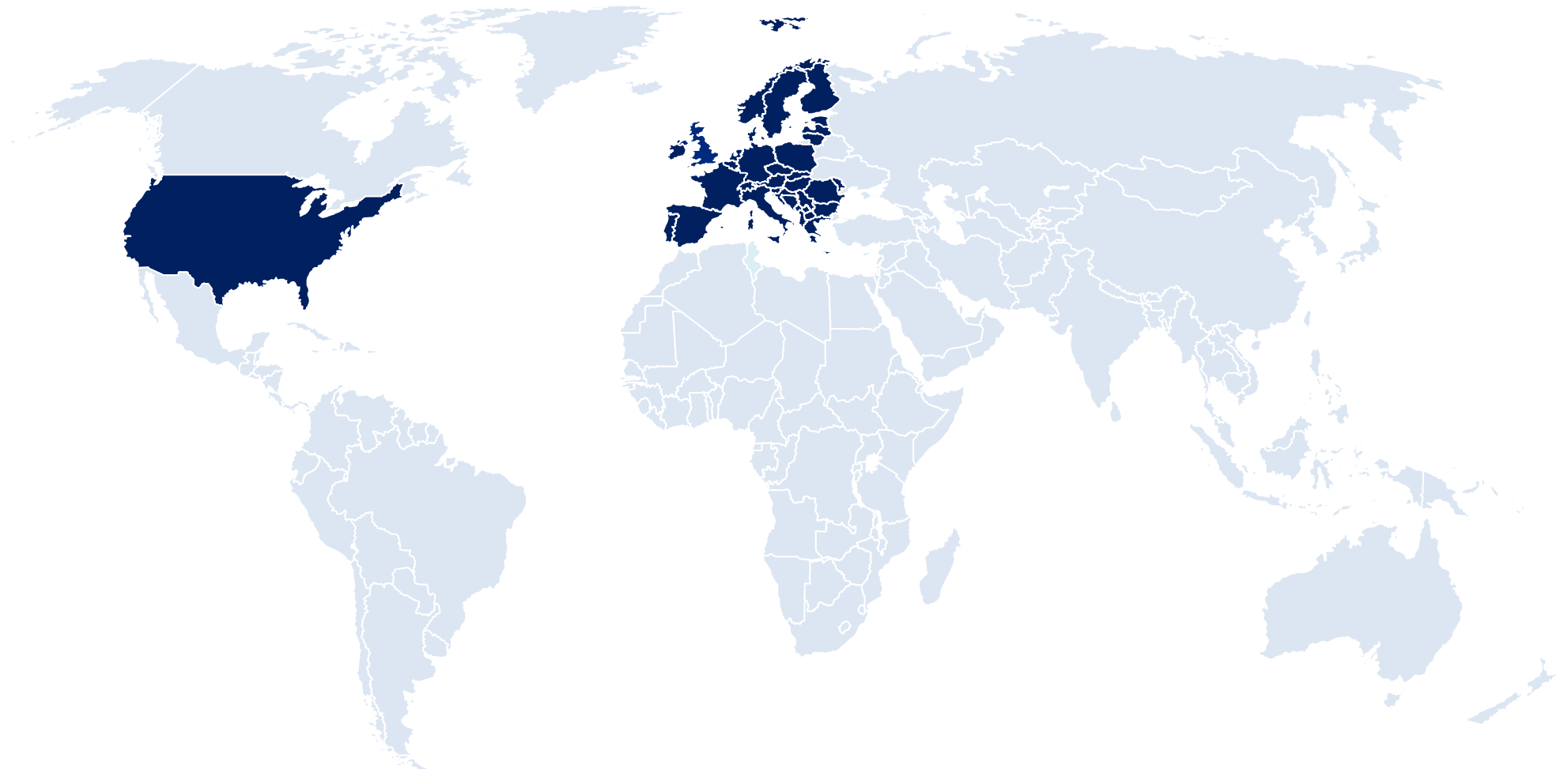


COMPANY PROFILE  
**CIMOLAI ARCHITECTURAL**  
*Envelope solutions*

Company location: North east of Italy



Main markets:  
Europe  
United Kingdom  
North America



## CAPABILITIES

- Consultancy and pre-construction services
- Curtain wall design and engineering
- Project management
- Production
- Installation
- After Sales services





## CAPABILITIES

### *Consultancy and pre-construction services*

- Preliminary design
- Design assist
- Feasibility studies
- Project budgeting and estimation
- Value engineering
- Performance evaluation
- Material sampling and comparison
- Table top mock-ups

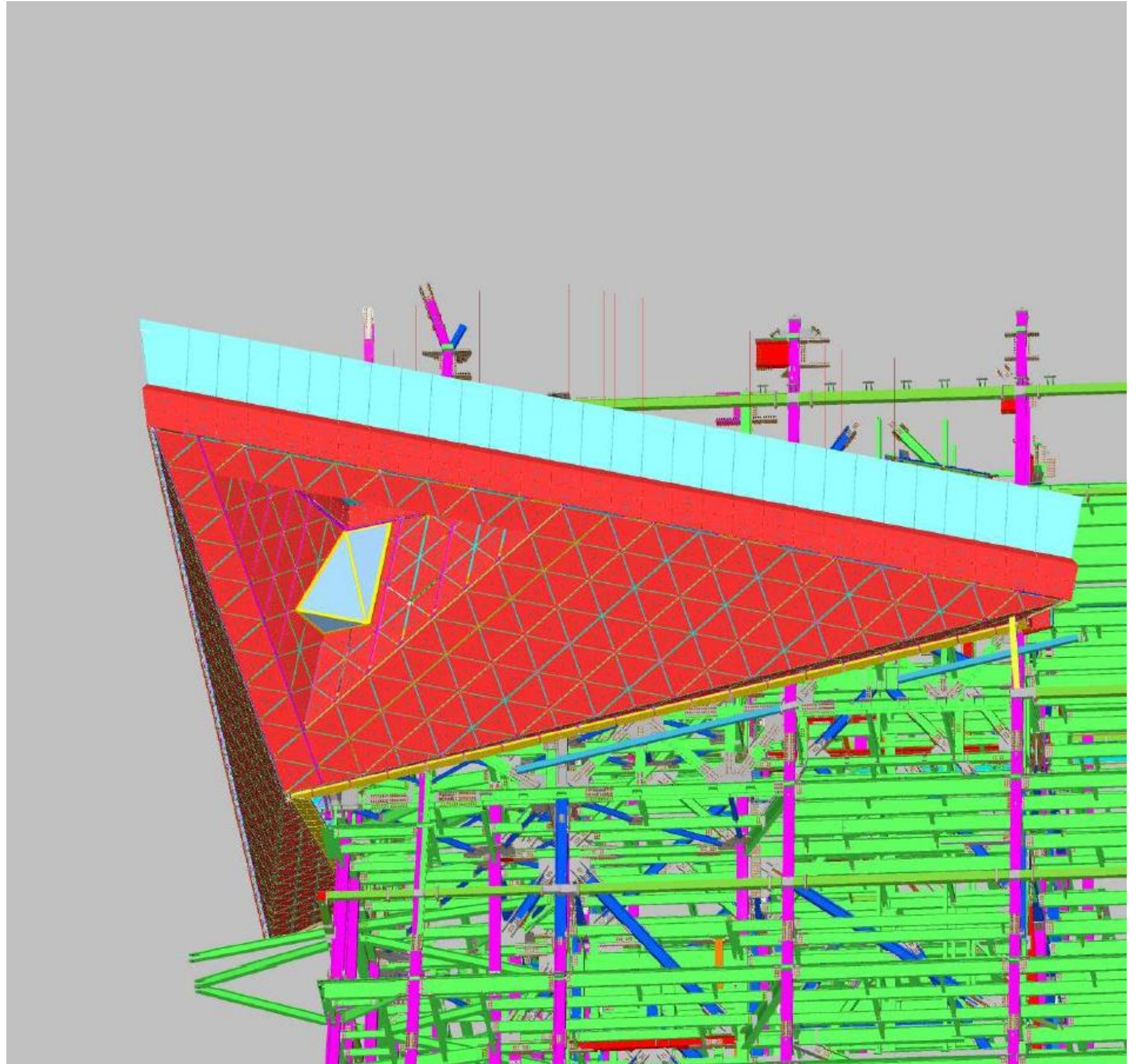




## CAPABILITIES

### *Design and engineering*

- System development
- Structural, thermal and acoustic engineering
- Design management
- Laboratory Testing (independent lab.)
- BIM
- Parametric design
- Support on Sustainability targets achievement (Embodied carbon, LEED, BREEAM, WELL, ...)





## CAPABILITIES

### *Project management*

We have in place strict quality and management procedures to deliver our facades with the expected quality, within time and budget.

To do so, we provide the following services:

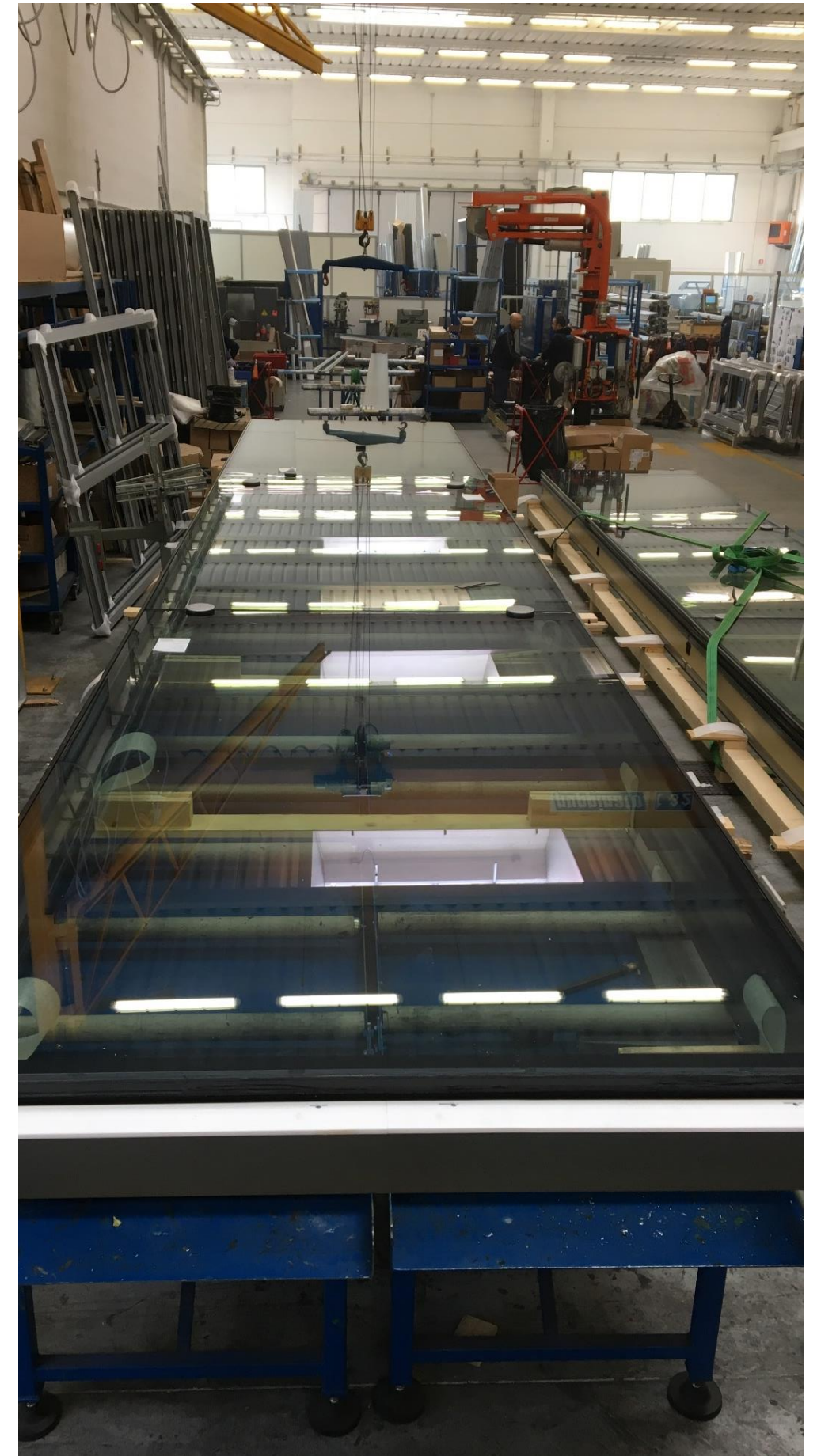
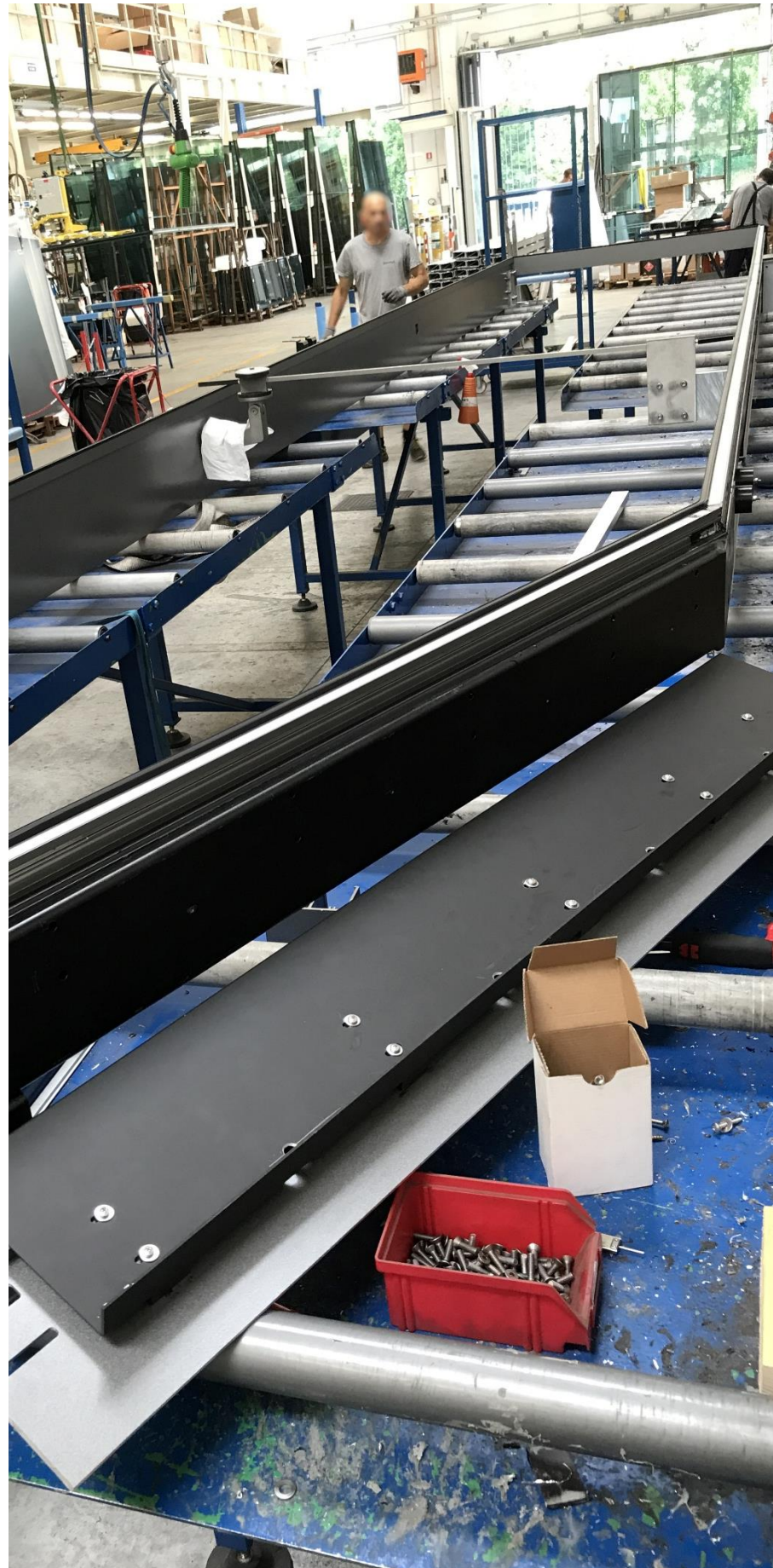
- Project programming
- Supply chain management
- Quality management





## CAPABILITIES *Production*

- Profile machining
- Panel assembling
- Quality control





## CAPABILITIES

### *Installation*

Through our partners worldwide, we provide installation services to our Clients.

Our site management team is directly involved and present on site to ensure that the installation is carried out in accordance with the drawings produced by our team while managing the logistic and deliveries to site.





## CAPABILITIES

### *After Sales services*

We believe that our bespoke envelopes shall be a long-lasting product and ensure the expected levels of performance and quality over time.

To do so, under request, we provide specialized after sales services for maintenance and replacement of façade envelope components.





## PORTFOLIO

- Main collaborations
- Most significant projects





PORTFOLIO

*Main collaborations*

sh p

Sciame  
WHERE BUILDING IS AN ART

KPF

sbp  
schlaich  
bergemann partner

DS+R

Thornton  
Tomasetti

COOPER  
ROBERTSON

ARUP

GT GARDINER  
& THEOBALD

sky

Snøhetta

Zaha Hadid Architects

RPBW  
RENZO PIANO  
BUILDING WORKSHOP

FUKSAS

  
SANTIAGO CALATRAVA  
ARCHITECTS & ENGINEERS

RELATED

Heatherwick studio

OMA

ATKINS

Foster + Partners

ISG



## PORTFOLIO

### *Most significant projects*

New York	The Shed
New York	Edge
Belgium	Gare De Mons
Belgium	Gare De Mons
Greece	Piraeus Tower
Monaco	Mareterra
New York	515 West 18th Street
New York	230 Penthouse
London	SKY Labs
New York	335 Madison
New York	50 Hudson Yard, Windscreen and storefront
New York	New Museum Expansion
New York	550 Madison Storefront
Others...	





## PORTFOLIO

### THE SHED

*New York, USA*

The Shed is a nonprofit cultural organization that commissions, develops, and presents original works of art, across all disciplines, for all audiences. The Shed's Bloomberg Building an innovative 200,000-square-foot (18,500 m<sup>2</sup>) structure can physically transform to support artists' most ambitious ideas.

Cimolai was appointed as the façade contractor to design, furnish and install the main envelope package comprising of, unitized curtain wall, stainless steel cable net system, skylights, automated operable bi-folding doors at McCourt, guillotine doors at the deployable structure, fully glazed storefront inclusive of swing doors and lobby glazing and others envelope packages for a total amount of 10,000 sqm of façade.

Year: 2017

Façades: 10,000 m<sup>2</sup>

Client: The Shed

General contractor: Sciam Construction LLC

Architect: Diller Scofidio + Renfro

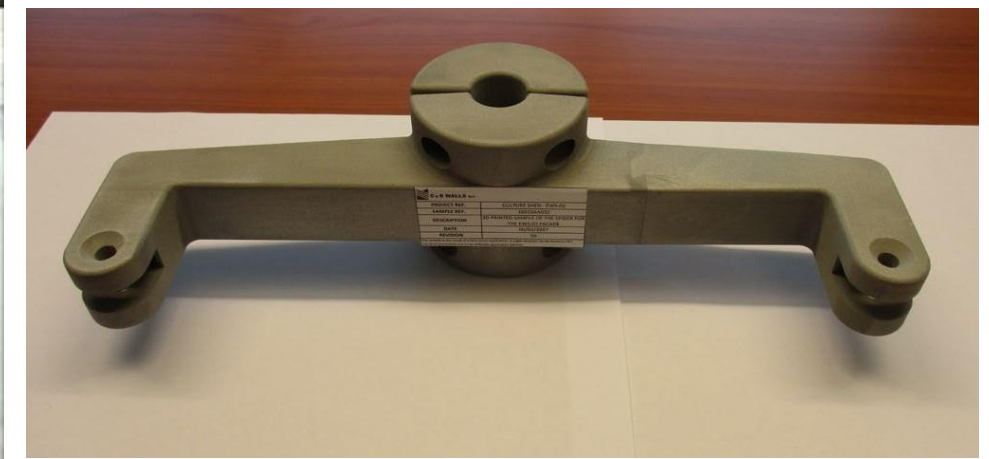
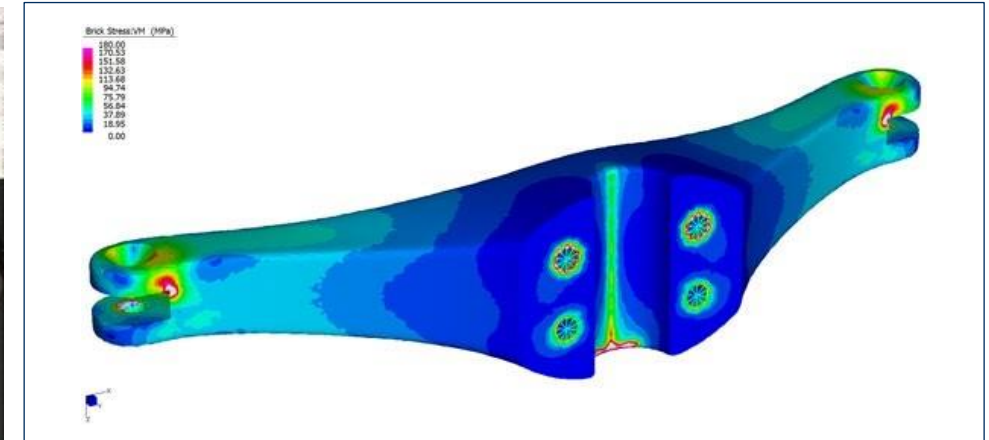
Status: **Completed**





PORTFOLIO  
**THE SHED**  
New York, USA

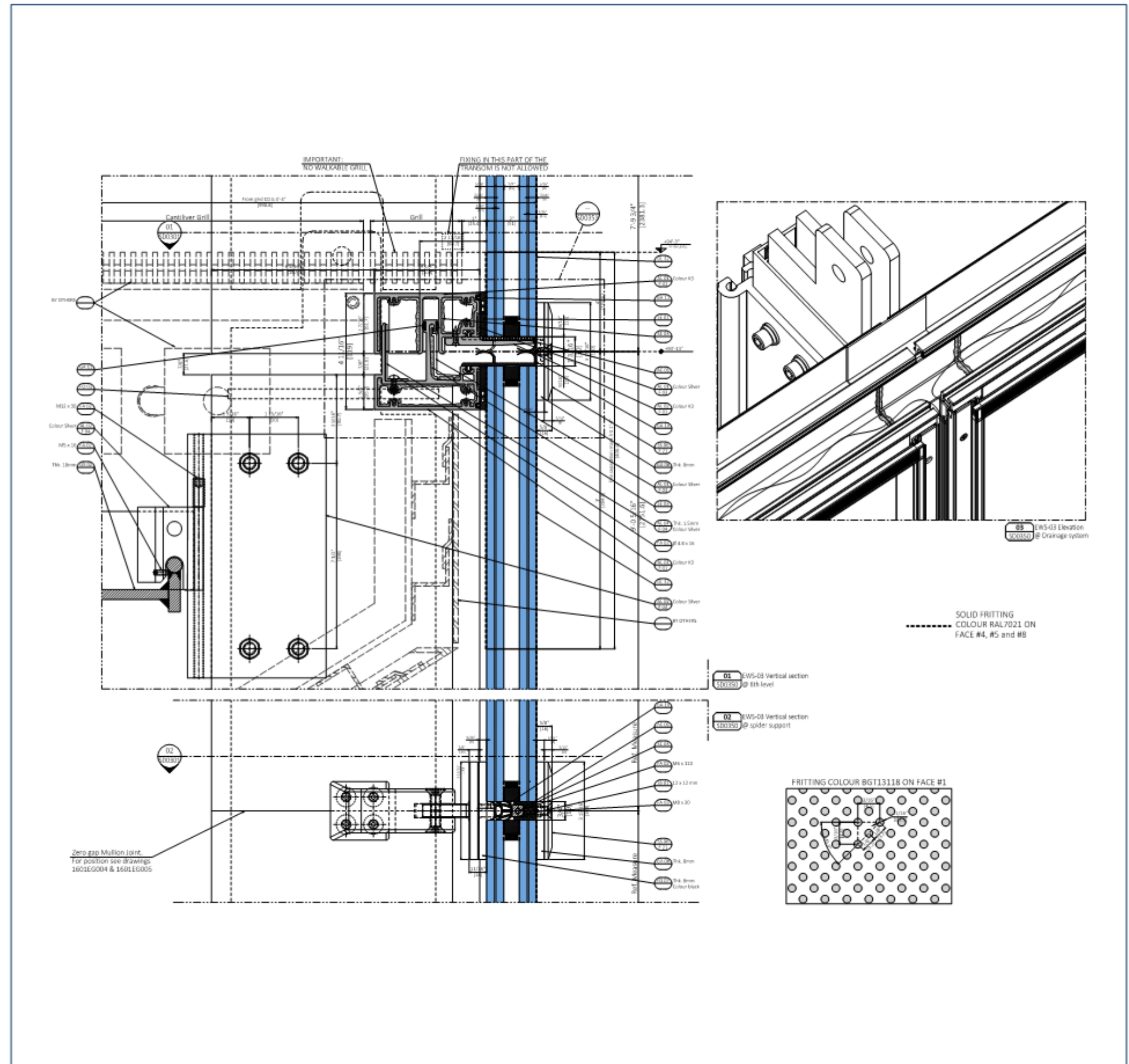
For this project we have developed a bespoke stainless steel cable net façade based on our own design. We have carried out in-house structural calculations and testing to validate the design which was based on the architectural intent. Before approval, we have delivered a 3D printed samples for final shape validation by the design team.





PORTFOLIO  
**THE SHED**  
*New York, USA*

We have also developed a bespoke unitized curtain wall system based on the architectural intent in order to meet the performance required by the specification and aesthetical requirements.









## PORTFOLIO

### EDGE

*New York, USA*

Edge is the highest sky deck in the Western Hemisphere with a one-of-a-kind design, it's suspended in mid-air, giving you the feeling of floating in the sky with 360-degree views you can't get anywhere else.

Cimolai was appointed as the façade contractor to design and furnish the external stainless-steel cladding with variable triangular geometries. The cladding was pre-assembled in our facility in Italy to the main steel structures modules. The pre-assembled modules were shipped on boat and installed with the use of the site tower crane. Was also part of our package the free-standing glazed windscreen up to 3m of height with anti-reflectivity coating and the glass flooring that allows visitor to have a view on the void 340 meters from the ground.

Year: 2017

Façades: 2,000 m<sup>2</sup>

Client: Related Companies

General contractor: Related companies

Architect: Kohn Pedersen Fox Associates

Status: **Completed**





## PORTFOLIO

### EDGE

New York, USA

The design concept was based on the installation of pre-assembled steel modules with the stainless steel cladding pre-fixed before the lifting and installation of the cladded modules.

**BUILDING HUDSON YARDS**  
**EVERYTHING YOU NEED TO KNOW (AND MORE) ABOUT WHAT'S HAPPENING AT THE TOP OF 30 HUDSON YARDS**

When it opens, Edge, accessible from the 100th floor of the tallest building at Hudson Yards, will be the highest manmade outdoor viewing area in the Western Hemisphere—and the fifth highest in the world. The view inside is destined to be spectacular too, with a one-of-a-kind event space—programmed by renowned hospitality group, rhabarb—that makes celebrations in the sky a reality.

**COMMUNING IN THE CLOUDS**  
A unique event space will be housed on the 101st floor of the tower. The 10,000-square-foot bar, restaurant and staging area will be rhabarb's first venture outside of London.

**PRACTICE RUN**  
The deck was fully assembled in Italy before it was broken down again into its constituent sections for the boat trip to New York City.

**HEAVY LIFT**  
The sections varied in size from 35,000 pounds to 102,000 pounds. Assembled, the deck weighs 765,000 pounds. The weight of the sections and height of the construction required that two cranes be used in tandem to lift each piece into place.

**JIGSAW PUZZLE IN THE SKY**  
Edge is made up of 15 primary sections comprised of steel and glass, which were bolted together and anchored to the east and south sides of the building. The result: a 7,500-square-foot outdoor viewing area more than 1,100 feet above the ground.

**BIRD'S-EYE VIEW**  
A window in the floor provides a breathtaking perspective of the neighborhood below.

**WIDE-ANGLE LENS**  
An angled glass wall, nine feet tall, encircles the deck, providing unparalleled vistas of the New York skyline—and dramatic sunsets to the west.

**GLOBAL EFFORT**  
With steel fabricated in Italy, structural glass made in Germany and clad in Italy, and granite paver stones quarried in Virginia and cut and finished in Quebec, the construction of the observation deck was an international endeavor.

HUDSON YARDS  
NEW YORK HudsonYardsNewYork.com



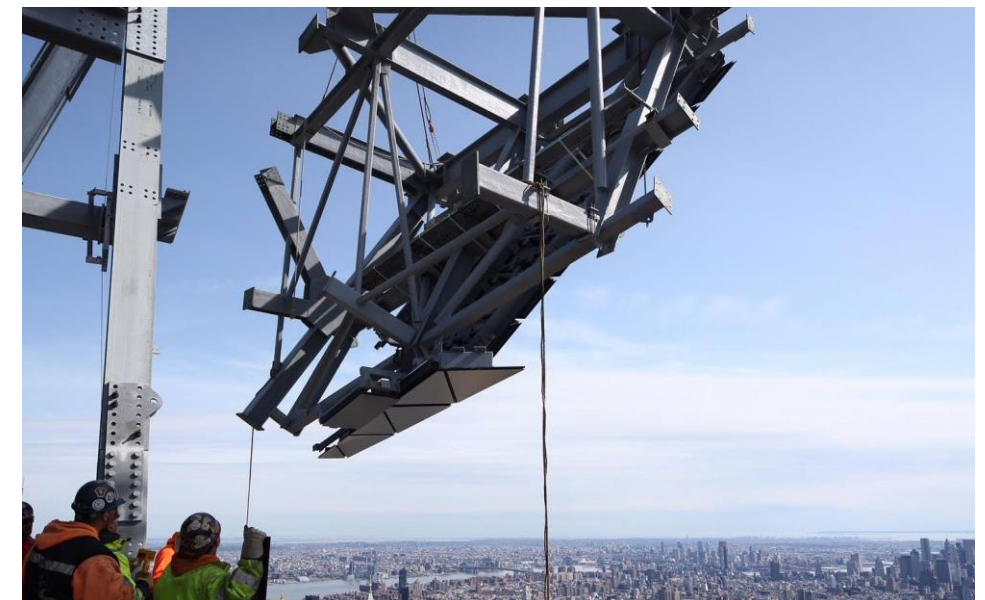
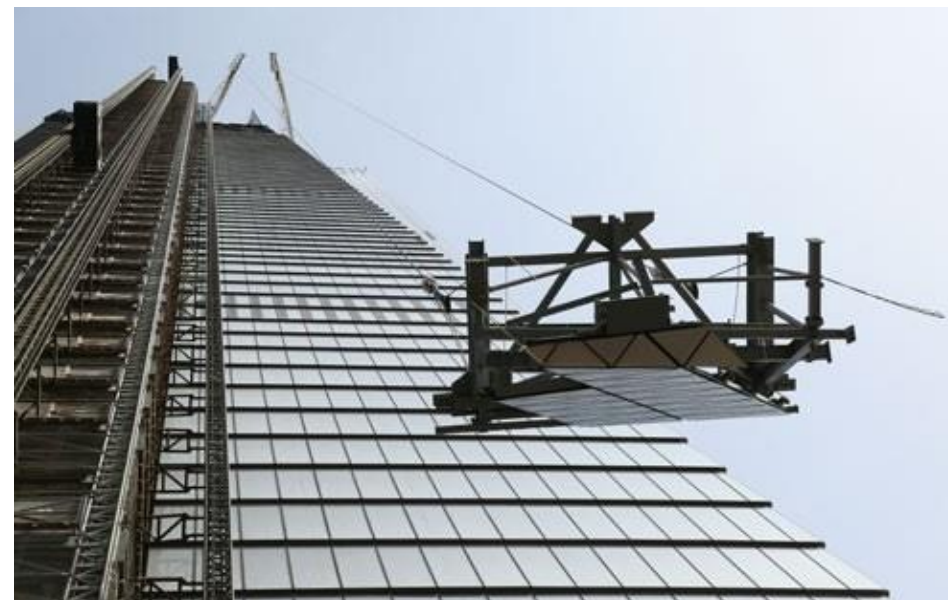
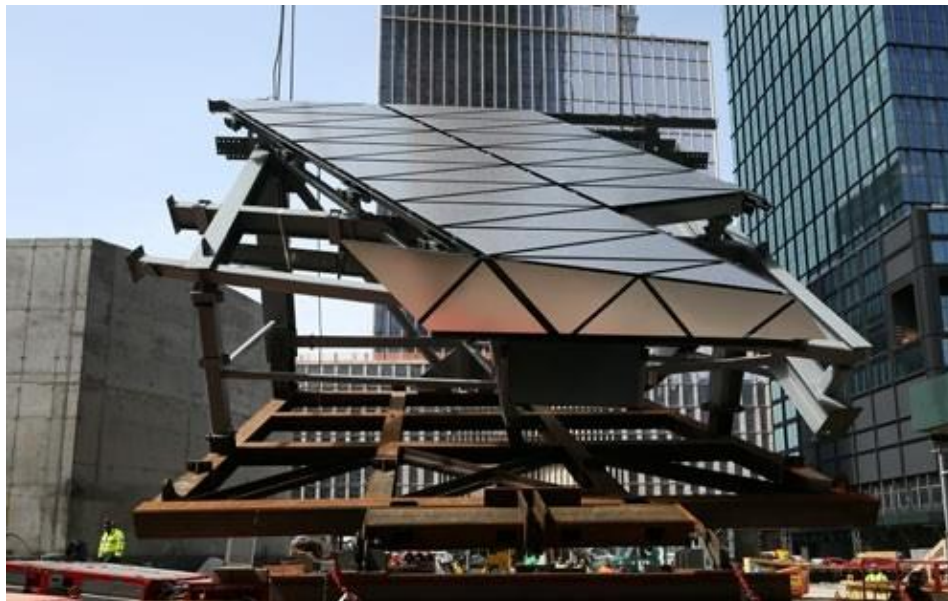
## PORTFOLIO

### EDGE

*New York, USA*

The modules were pre-assembled in our facility in Monfalcone and then shipped by boat to New York.

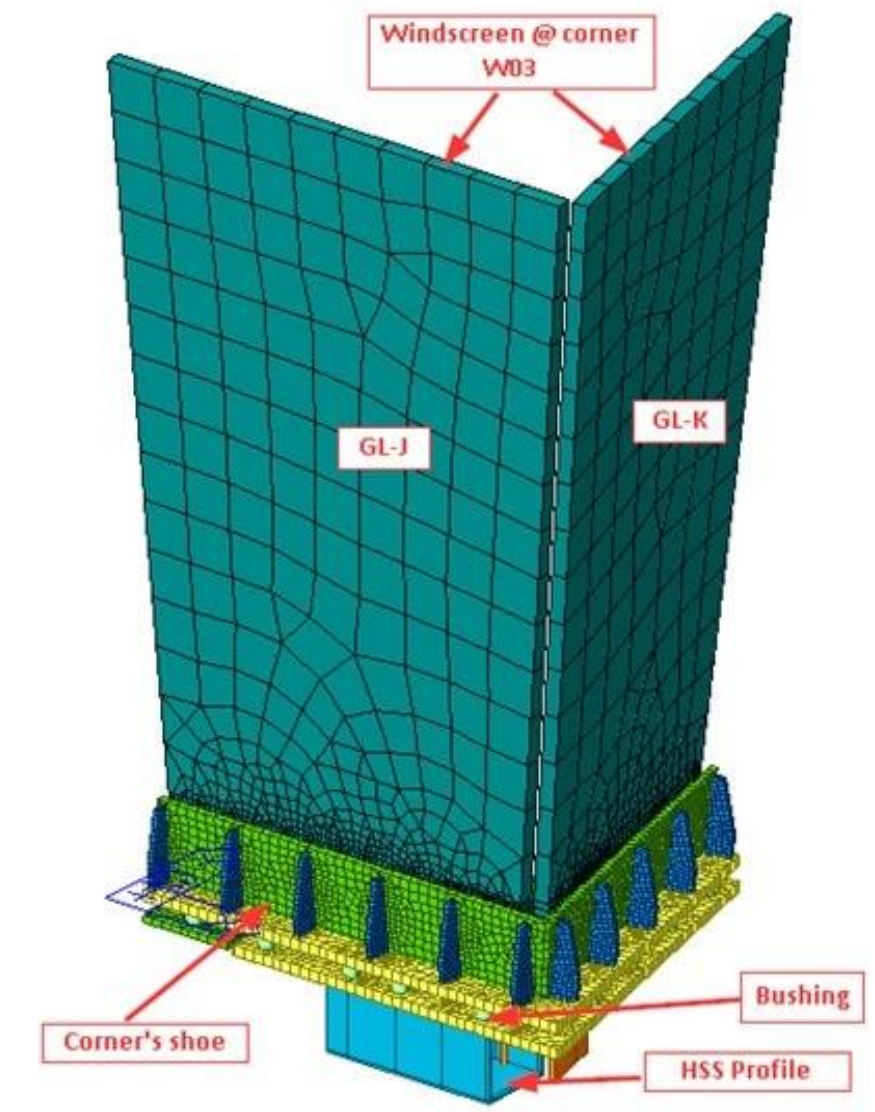
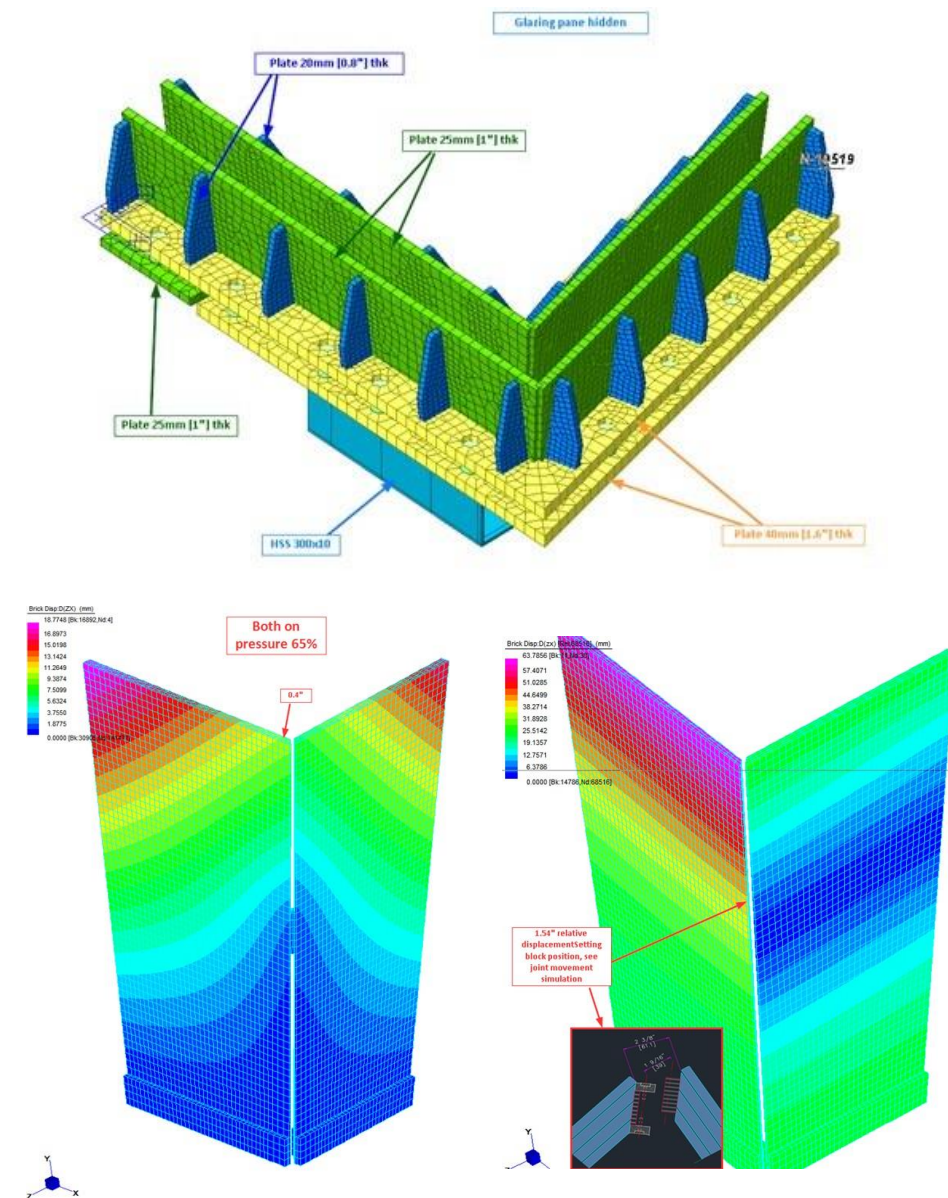
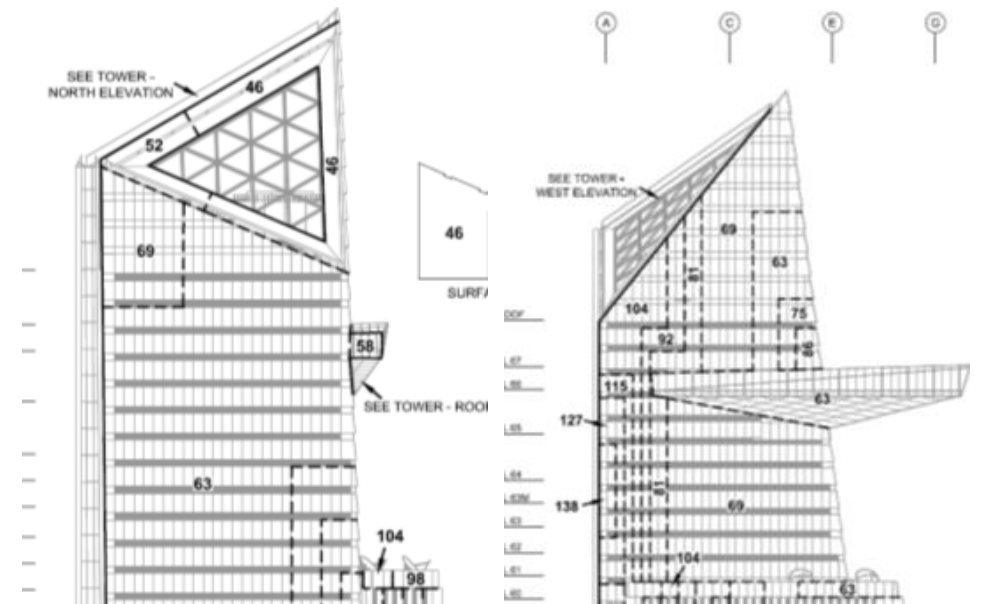
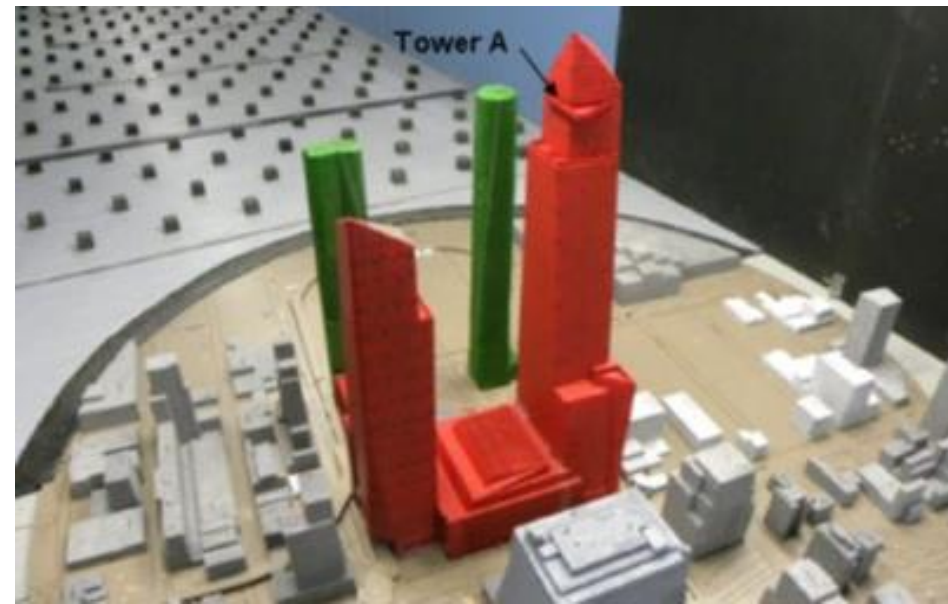
Once arrived at the harbour, the elements have been transported to site, lifted in place using the tower crane and fixed to the main building.





PORTFOLIO  
**EDGE**  
 New York, USA

To design the windscreen, we started engineering the glass build-up. To do so, we reviewed the wind loads applied to that specific area of the building determined through wind tunnel tests and used a specific software for glass analysis to determine the glass thickness required to withstand the loads. Due to the aesthetic importance of this element, we provided glass samples from different suppliers to our Client in order to decide which one was meeting the aesthetic requirements in terms of transparency and reflection.





## PORTFOLIO

### GARE DE MONS

*Mons, Belgium*

The project is the new station's gallery bridging over the tracks and platforms will link two currently disconnected and distinct areas of the city: the less dense residential area in the north with the historic city in the south.

Cimolai was awarded to design and supply the interior of the bridging station including 11,000 sqm of insulating and non-insulating glass, aluminium panels, stick system facades and glazed balustrades.

Year: 2021

Façades: 11,000 m<sup>2</sup>

Client: Eurogare

Architect: Santiago Calatrava

Status: **Ongoing**





## PORTFOLIO

### PIRAEUS TOWER

*Athens, Greece*

Originally designed by the architects I. Vikelas, G. Molfesis, and A. Loizou, and completed in 1975, the 84 meters building dominates the port of Piraeus. Never entirely inhabited, only on its first three floors, the existing structure called commonly “the sleeping giant” will be transformed into offices, retail spaces, and restaurants. Moreover, the façade will be uplifted to cater to contemporary needs.

Cimolai was awarded to design and supply the external façade including 10,000 sqm of unitised curtain wall and 4,000 sqm of stick system façade at podium.

Year: 2021

Façades: 14,000 m<sup>2</sup>

Client: Terna S.A

Architect: PILA

Status: **Ongoing**





## PORTFOLIO

### MARETERRA

*Monaco, Montecarlo*

Mareterra is a transformational project for Monaco: a beautiful new community of residential, cultural, and recreational spaces that celebrates the spirit and sensations of the Mediterranean. The name 'Mareterra' is inspired by the two complementary elements of the project: the sea and the land.

Cimolai was awarded the design, supply and installation of 20.000 sqm of aluminium cladding and 10.000 sqm of sliding doors and curtain wall.

Year: 2021

Façades: 30,000 m<sup>2</sup>

Client: JB PASTOR et ENGECO

Architect: RPBW

Status: **Ongoing**





## PORTFOLIO

### **515 CANOPY** *New York, USA*

The project is the lobby of a residential building next to the High Line.

The 1,900-square-foot lobby incorporates the legs of the High Line, around which the ceiling gently drapes in a way that's not dissimilar to a circus tent.

A glass curtain wall that curves from 10 to 25 feet in height frames the lobby's main reception desk, the center point between the project's 10-story east tower and 22-story west tower.

Cimolai designed and furnished the glass wall supported by glass fins and the fiberglass roofing.

Year: 2020

Client: Related Companies

Architect: Heatherwick Studios, March & White

Status: **Completed**





## PORTFOLIO

### 230 CENTRAL PARK SOUTH

*New York, NY*

The project is a refurbishment of an existing penthouse in NYC.

Cimolai was awarded to design and supply the exterior envelope of the building comprising of special GFRC and brass cladding, steel windows including sliding and pivoting systems and glass balustrades.



Year: 2021

Façades: 400 m<sup>2</sup>

Client: Private

Architect: Vincenzo De Cotiis

Status: **Ongoing**



## PORTFOLIO

### SKYLABS

*London, UK*

The project will host the new research laboratories of Sky Television HQ in London.

Cimolai Architectural has been appointed to design, supply and Install the inclined anodised aluminium cladding, the main glazed façade with integrated solar shading fixed directly to the steel curtain wall structure, skylights and main entrance lobby. The design of this building considered a target reduction of CO2 to be achieved.

This has been achieved using recyclable materials with a low content of embodied carbon and high thermal performances of the whole building envelope.

Year: 2019

Façades: 6.000 m<sup>2</sup>

Client: Sky Television

General contractor: ISG Ltd.

Architect: Atkins

Status: **Completed**





## PORTFOLIO

### 335 MADISON

*New York, USA*

The project is a refurbishment up to the 7th floor of the internal atrium of the building situated at 335 Madison Avenue, adjacent to the Grand Central Station.

Cimolai was appointed as the façade contractor to design, furnish and install the envelope package of the internal atrium using innovative and prestigious materials such as synthetic concrete for the columns covers, portals and entrances in brass and serrated glass obtained through engraving to achieve the performance of low visibility and safety between the office floors and the main atrium.

Year: 2018

Façades: 4.500 m<sup>2</sup>

Client: Milstein Properties

General contractor: Sciamè Construction LLC

Architect: SHoP Architects

Status: **Completed**





## PORTFOLIO

### 50 Hudson Yards Windscreen *New York, USA*

50 Hudson Yards is a commercial building 58 stories high part of the new Hudson Yards quarter. The building is situated between the 10th Avenue and Hudson Boulevard corner and 33rd to 34th street.

Cimolai has been appointed to design and furnish the glazed windscreen at the 34th floor using high transparent laminated glass with anti-reflective coating cantilevered on steel supporting shoes. The glass balustrade has been engineered to withstand the high wind loads of Manhattan.

Year: 2020

Façades: 300 m<sup>2</sup>

Client: Related Companies

General contractor: Related Companies

Architect: Foster + Partners

Status: **Completed**





## PORTFOLIO

### 50 HUDSON YARDS FEATURE STAIRS

*New York, USA*

We have been awarded to design the monumental feature Stair at the main entrance of the West Lobby of the 50 Hudson yard building.

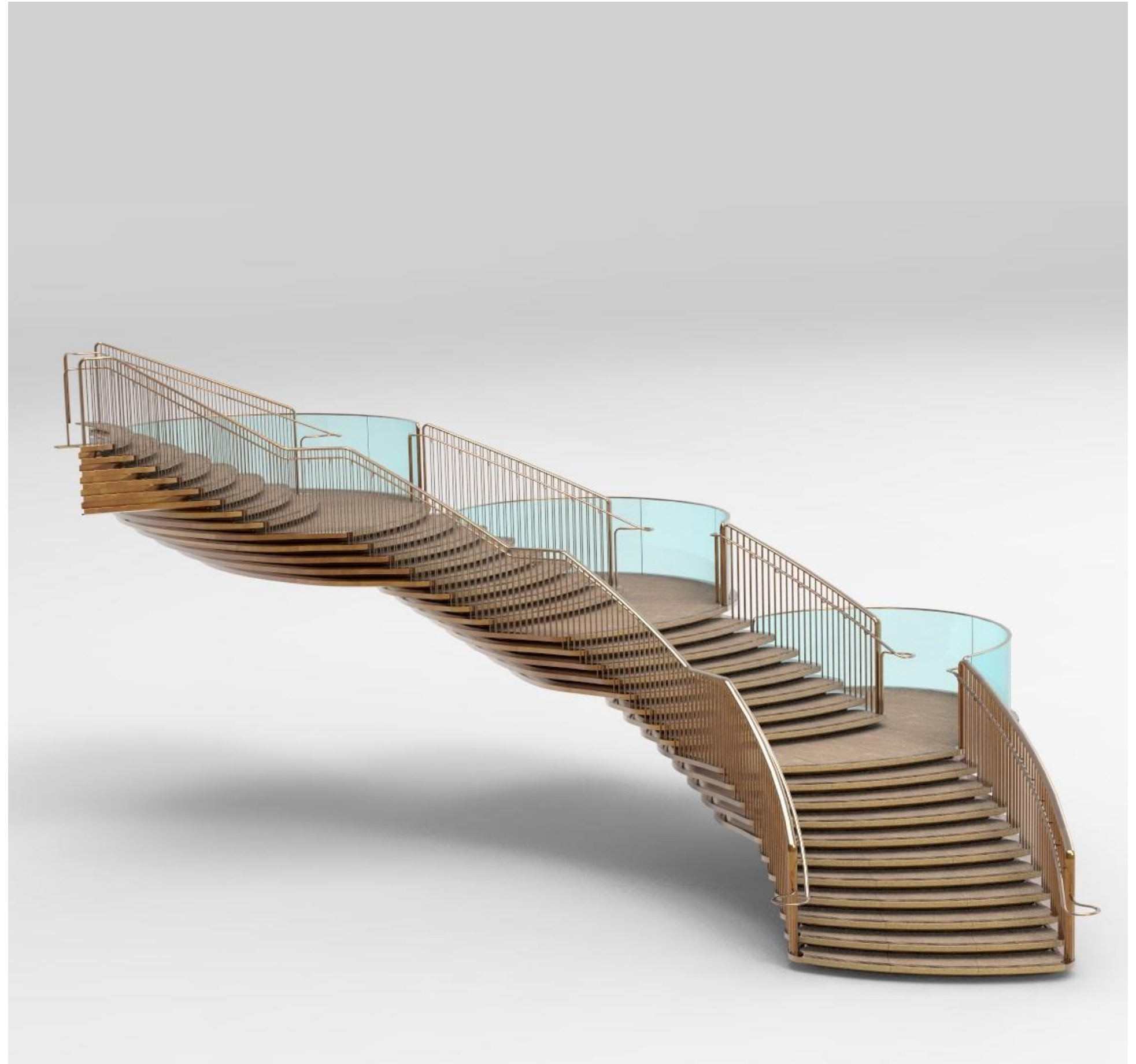
The steel - framed staircase is clad with curved bronze aluminium panels and has a curved glazed balustrades.

Year: 2020

Client: Related Companies

Architect: Foster + Partners

Status: **On site**





## PORTFOLIO

### NEW MUSEUM EXPANSION

*New York, USA*

The New Museum expanded the existing building through the design of a new building that will significantly expand the range of activities, contextual presentations, educational and discursive initiatives.

Cimolai was appointed to carry out Design Assist services, of the main façade of the building including the design of the mullionless unitized curtain wall system inclusive of glass with mesh to provide a white appearance from the outside and providing visual permeability from the inside to the street.

Year: 2019

Façades: 3,000 m<sup>2</sup>

Client: New Museum

General contractor: Sciam Construction LLC

Architect: OMA

Status: **Ongoing**





## PORTFOLIO

### **550 MADISON** *New York, USA*

The project is about the renovation of the Storefront of one of the most prestigious skyscrapers in New York, located on the famous Madison Avenue: the Sony Building.

The two main facades are composed of 12 glazed sections 18 m high and 5 m wide.

The architectural steel structure (columns and crossbeams) is made of milled sheets machined in the Cimolai Spa workshops.

Year: 2019

Client: Tishman

Architect: Snohetta + AAI

Status: **On site**





## PORTFOLIO

### CERN SCIENCE GATEWAY

*Geneve, CH*

The project, located within the area of the European Centre for Nuclear Research, consists of three pavilions and two tubular structures in steel and glass, arranged along a main axis.

An overhead steel- glass walkway along the transversal axis provide the opportunity to cross the tram line as well as connecting all the units.

Year: 2020

Client: CERN

Architect: RPBW

Status: **On site**





## PORTFOLIO

### NEW TERMINAL FIUMICINO AIRPORT *Rome, Italy*

The project is the new terminal of the Fiumicino Airport situated in Rome. CS Facades has been involved in the design, furnish and installation of a portion of the curtain wall package. For this project,

Cimolai delivered 4,500 sqm of unitized proprietary inclined curtain wall. The system has been designed to provide high sound insulation as requested in the project specification to reduce the noise due to the airplane landing and taking-off.

Year: 2016

Façades: 4,500 m<sup>2</sup>

Client: Aeroporti di Roma

General contractor: Cimolai S.p.A.

Architect: AdR Engineering

Status: **Completed**





PORTFOLIO  
**CEVA BRIDGE**  
*Geneve, CH*

100 meters railway bridge covered with a silk-screened glass envelope and aluminium sheet for a total of 2.500 sqm.



Year: 2019  
Client: CFF, Ville de Geneve  
Architect: BMS Architects

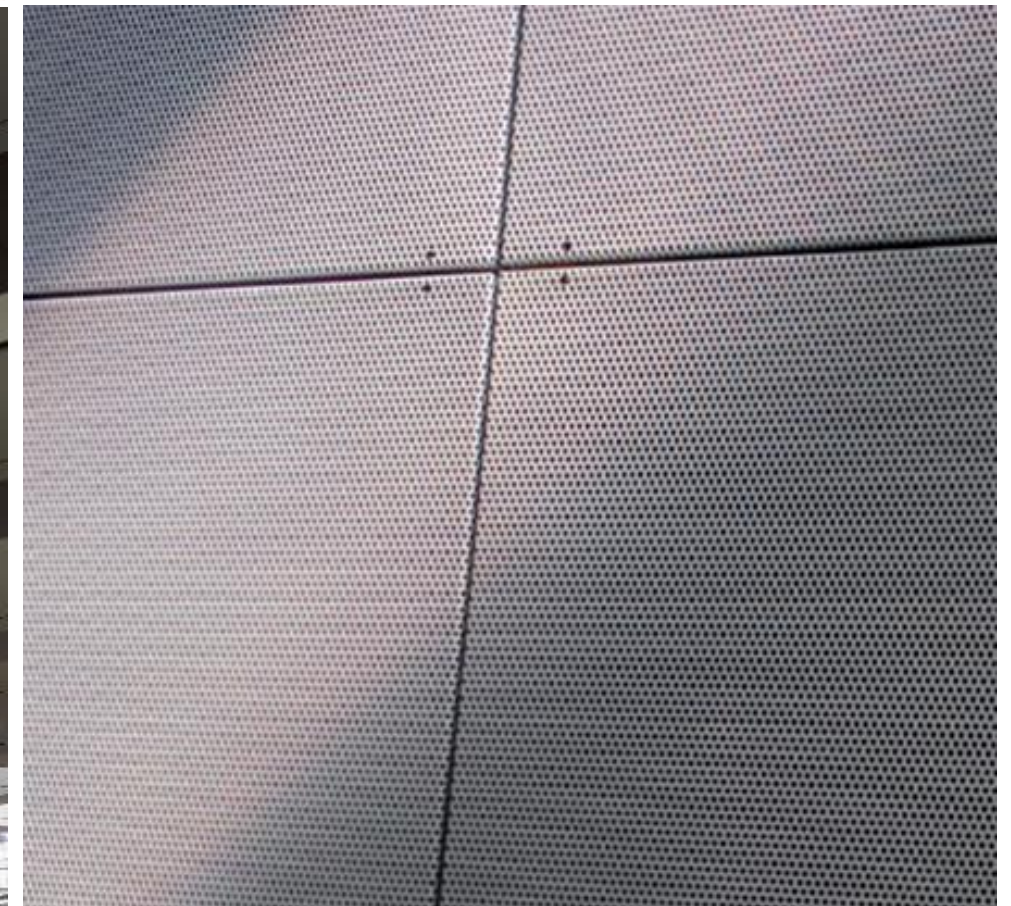
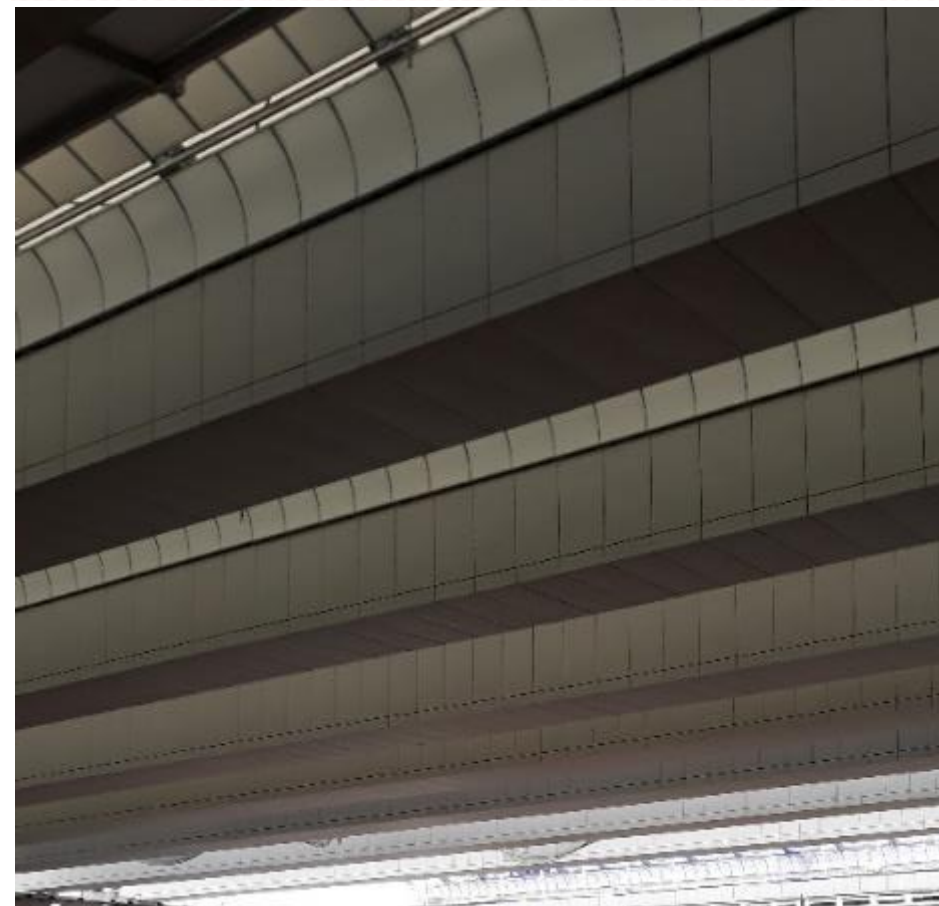
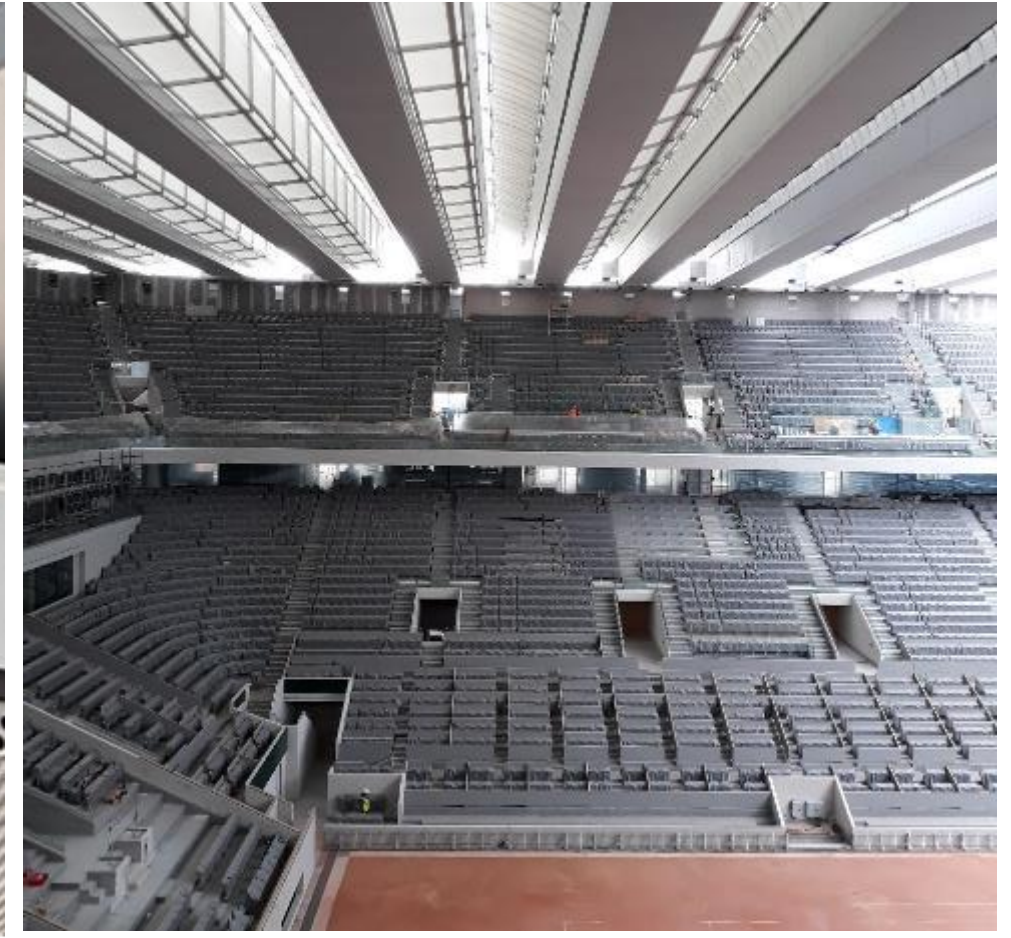
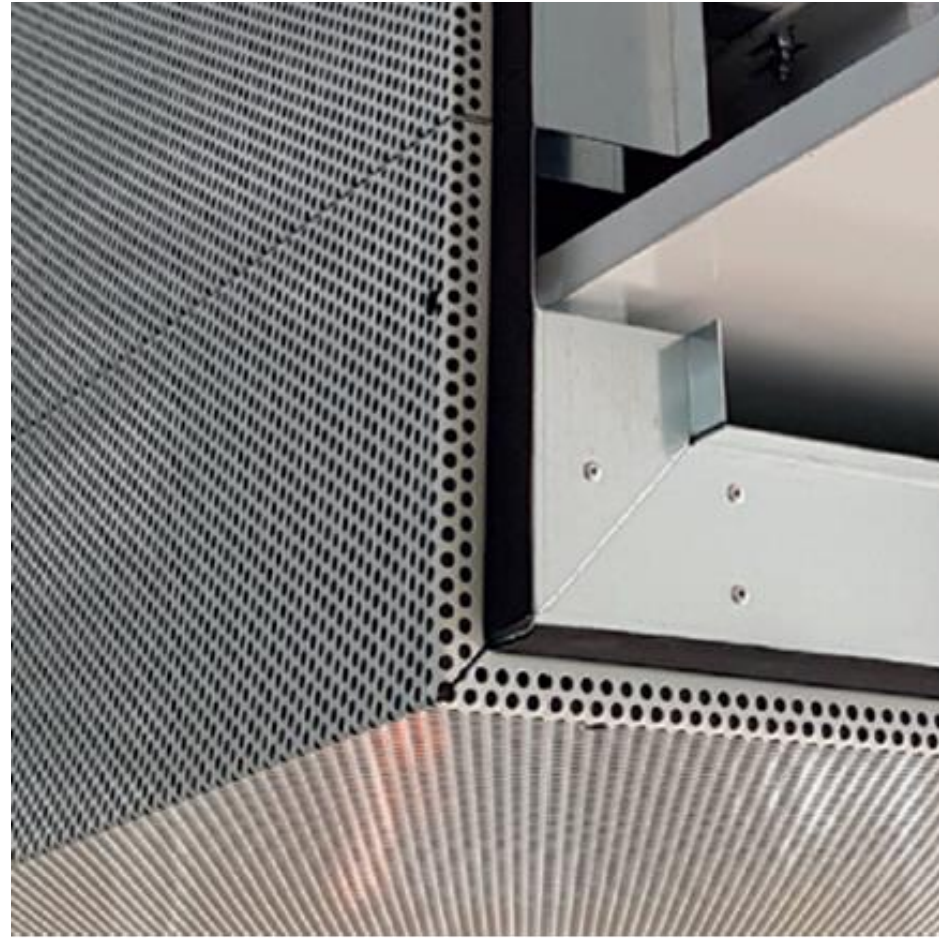
Status: **Completed**



PORTFOLIO  
**ROLAND GARROS**  
*Paris, FR*

the core of the project is the renovation of the central court, the "Philippe Chatrier" and involves the reconstruction of the existing stands, and the installation of a retractable steel roof.

The roof consists of 11 box girders (called "wings") in high resistance steel, one of which is "fixed" while the others are "mobile". Each of these girders have a height of about 3 m and a span of more than 100 m.



Year: 2020  
Client: FFT (Fédération Française de Tennis)  
Architect: Cabinet ACD-Girardet

Status: **Completed**



## PORTFOLIO

### THE COLLEGIATE SCHOOL

*New York, USA*

The new building is 9-stories high and 180,000 SF and includes classrooms, science labs, administrative offices, regulation gymnasium, theatre, orchestra room, library, kitchen and dining area.

Cimolai was appointed to carry out remedial works on the built façade installing missing components, glass, stone and gaskets replacements, providing engineering on the new components and confirm validity of the performed works by on-site testing

Year: 2019

Façades: 8000 m<sup>2</sup>

Client: Collegiate School

General contractor: Sciam Construction LLC

Architect: KPF

Status: **Completed**





# THANK YOU

Cimolai Architectural  
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